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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|----------------------|----------------------|------------------|
| 09/981,528 | 10/17/2001 | Masaaki Terashima | JG-YY-5111/500569.2_ | 7661 |
| 26418 | 7590 | 12/31/2003 | EXAMINER | |
| REED SMITH, LLP ATTN: PATENT RECORDS DEPARTMENT 599 LEXINGTON AVENUE, 29TH FLOOR NEW YORK, NY 10022-7650 | | | BARR, MICHAEL E | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 1762 | |

DATE MAILED: 12/31/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

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| | | | |
|------------------------------|--------------------------------------|---|--|
| Office Action Summary | Application No. 09/981,528 | Applicant(s) TERASHIMA ET AL. | |
| | Examiner Michael Barr | Art Unit 1762 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) 1-4, 7-10 and 12 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☒ Claim(s) 5, 6 and 11 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of Claims 5-6 and 11 in Paper filed 10/29/03 is acknowledged.
2. Claims 1-4, 7-10, and 12 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made **without** traverse in Paper filed 10/29/03.

Claim Objections

3. Claims 5-6 and 11 are objected to because of the following informalities: Claims 5-6 and 11 are dependent upon non-elected claims. Claims 5-6 and 11 should be presented in independent form. Appropriate correction is required.

References Cited

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kitajima et al., Terashima et al., and Kim et al. are cited as prior art of interest.

Kitajima teaches making a ion-selective electrode complex by scratching longitudinal and lateral grooves into a silver plated support, masking the ends of the silver surface with lateral strips, forming a layer of silver chloride, applying the electrolyte, removing the masking material, then applying the ion selective membranes, and then cutting longitudinally. Kitajima et

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al. fails to teach the application of the polymer (masking) stripes in the longitudinal direction and cutting in the lateral direction.

Terashima et al. teaches making an ion-selective electrode by scratching grooves into a silver plated support, masking the ends of the silver surface with lateral strips, forming a layer of silver chloride, applying the electrolyte, and then applying the ion selective membrane.

Terashima et al. fails to teach the application of the polymer (masking) stripes in the longitudinal direction, peeling, cutting in the lateral direction, or forming an electrode complex.

Kim et al. teaches making an ion-selective electrode by forming a layer of silver chloride on a silver plated support, applying the electrolyte, and then applying the ion selective membrane. Kim et al. fails to teach the application of the polymer (masking) stripes in the longitudinal direction, peeling, cutting in the lateral direction, or forming an electrode complex.

Allowable Subject Matter

5. Claims 5-6 and 11 are allowable over the prior art.

6. As allowable subject matter has been indicated, applicant's reply must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CFR 1.111(b) and MPEP § 707.07(a).

7. The following is an examiner's statement of reasons for allowance: None of the prior art cited or reviewed by the examiner, as indicated above, teaches or fairly suggested the claimed methods of making a ion-selective electrode complex, wherein the prior art fails to teach application of the polymer (masking) stripes in the longitudinal direction and cutting in the

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lateral direction, such that the complex is formed in accordance with the required electrical contact properties.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

8. This application is in condition for allowance except for the following formal matters:

The above mentioned objection to Claims 5-6 and 11. These claims should be presented in independent form.

The presence of non-elected Claims 1-4, 7-10, and 12. These claims should be canceled.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

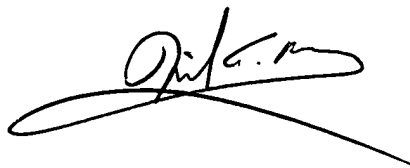
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9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Barr whose telephone number is 703-305-7919. The examiner can normally be reached on Monday-Thursday 6:00 am-4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shrive Beck can be reached on 703-308-2333. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.

Michael Barr
Primary Examiner
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A handwritten signature in black ink, appearing to read 'Michael Barr', with a long horizontal flourish extending to the right.

MB
December 4, 2003